

## Search Plan and Results

### Question

[Is intake of calcium and/or dairy \(milk and milk products\) related to adiposity in children? \(DGAC 2010\)](#)

### Date Searched

9/19/2009

### Inclusion Criteria

- Publication date: January 2003 to August 2009
- ADA search: January 1982 to June 2005
- English language
- Human subjects
- Children (zero to 18 years)
- Included at least one outcome measure of adiposity (e.g., body weight, body mass index, skinfolds, percent body fat).

### Exclusion Criteria

- Conducted in developed countries (based on United Nation's Human Development Index, December 2008)
- Published in journals that are not peer-reviewed
- Included no measure of adiposity (e.g., body weight, body mass index, skinfolds, percent body fat)
- Involved exclusively children less than two years old or adolescents over 18 years old
- Treatment trial conducted for less than eight weeks (not including duration of follow-up)
- Prevention trial conducted for less than six months (not including duration of follow-up)
- Treatment trial involved fewer than 10 subjects total (or fewer than 10 in the intervention group)
- Prevention trial involved fewer than 60 subjects total (or fewer than 30 in the intervention group)
- Treatment trials involving pharmacological interventions (because of lack of research in these areas)
- Cross-sectional studies.

### Search Terms: Search Vocabulary

("Calcium"[majr] OR "Calcium, Dietary"[majr] OR "Dairy Products"[majr]) AND

("Body Weights and Measures"[majr] OR "Body Mass Index"[majr] OR "Adiposity"[majr] OR "Overweight"[majr] OR "Obesity"[majr] OR "Weight Gain"[majr] OR "body composition"[mh])

Electronic Databases

PubMed.

**Total hits from all electronic database searches: 254**

**Total articles identified to review from electronic databases: 66**

Articles Identified Via Handsearch or Other Means

- Articles included via Hand Search: One
  - Articles included from the ADA Evidence Review (1982 to 2004): Seven.
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Summary of Articles Identified to Review

**Number of Primary Articles Identified: 17**

**Number of Review Articles Identified: 3**

**Total Number of Articles Identified: 20**

**Number of Articles Reviewed but Excluded: 54**

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List of Articles Included for Evidence Analysis

**Articles Identified via the NEL Search (13)**

Abrams SA, Griffin IJ, Hawthorne KM, Ellis KJ. [Effect of prebiotic supplementation and calcium intake on body mass index](#). *J Pediatr*. 2007 Sep; 151 (3): 293-298. Epub 2007 Jul 12. PMID: 17719942.

Barr SI. [Increased dairy product or calcium intake: is body weight or composition affected in humans?](#) *J Nutr*. 2003 Jan; 133 (1): 245S-248S. Review. PMID: 12514301.

Berkey CS, Rockett HR, Willett WC, Colditz GA. [Milk, dairy fat, dietary calcium and weight gain: A longitudinal study of adolescents](#). *Arch Pediatr Adolesc Med*. 2005 Jun; 159 (6): 543-550. PMID: 15939853.

Boon N, Koppes LL, Saris WH, Van Mechelen W. [The relation between calcium intake and body composition in a Dutch population: The Amsterdam Growth and Health Longitudinal Study](#). *Am J Epidemiol*. 2005 Jul 1; 162 (1): 27-32. PMID: 15961583.

DeJongh ED, Binkley TL, Specker BL. [Fat mass gain is lower in calcium-supplemented than in unsupplemented preschool children with low dietary calcium intakes.](#) *Am J Clin Nutr.* 2006 Nov; 84 (5): 1, 123-1, 127. PMID: 17093165; PMCID: PMC1847400.

Dixon LB, Pellizzon MA, Jawad AF, Tershakovec AM. [Calcium and dairy intake and measures of obesity in hyper- and normocholesterolemic children.](#) *Obes Res.* 2005 Oct; 13 (10): 1, 727-1, 738. PMID: 16286520.

Florito LM, Ventura AK, Mitchell DC, Smiciklas-Wright H, Birch LL. [Girls' dairy intake, energy intake and weight status.](#) *J Am Diet Assoc.* 2006 Nov; 106 (11): 1, 851-1, 855. PMID: 17081836; PMCID: PMC2531154.

Lanou AJ, Barnard ND. [Dairy and weight loss hypothesis: An evaluation of the clinical trials.](#) *Nutr Rev.* 2008 May; 66 (5): 272-279. Review. PMID: 18454813. (Hand search)

Lappe JM, Rafferty KA, Davies KM, Lypaczewski G. [Girls on a high-calcium diet gain weight at the same rate as girls on a normal diet: A pilot study.](#) *J Am Diet Assoc.* 2004 Sep; 104 (9): 1, 361-1, 367. PMID: 15354150.

Lorenzen JK, Mølgaard C, Michaelsen KF, Astrup A. [Calcium supplementation for one year does not reduce body weight or fat mass in young girls.](#) *Am J Clin Nutr.* 2006 Jan; 83 (1): 18-23. PMID: 16400044.

Moore LL, Bradlee ML, Gao D, Singer MR. [Low dairy intake in early childhood predicts excess body fat gain.](#) *Obesity* (Silver Spring). 2006 Jun; 14 (6): 1, 010-1, 018. PMID: 16861606.

St-Onge MP, Goree LL, Gower B. [High-milk supplementation with healthy diet counseling does not affect weight loss but ameliorates insulin action compared with low-milk supplementation in overweight children.](#) *J Nutr.* 2009 May; 139 (5): 933-938. Epub 2009 Mar 25. PMID: 19321584; PMCID: PMC2714393.

Winzenberg T, Shaw K, Fryer J, Jones G. [Calcium supplements in healthy children do not affect weight gain, height or body composition.](#) *Obesity* (Silver Spring). 2007 Jul; 15 (7): 1, 789-1, 798. Review. PMID: 17636098.

#### Articles Identified from the ADA Evidence Review (Seven)

Berkey CS, Rockett HRH, Field AE, Gillman MW, Colditz GA. Sugar-added beverages and adolescent weight change. *Obes Res.* 2004; 12: 778-788.

Carruth BR, Skinner JD. The role of dietary calcium and other nutrient in moderating body fat in preschool children. *Int J Obes.* 2001; 25: 559-566.

Fisher JO, Mitchell DC, Smiciklas-Wright H, Mannino ML, Birch LL. Meeting calcium recommendations during middle childhood reflects mother-daughter beverage choices and predicts bone mineral status. *Am J Clin Nutr.* 2004; 79 (4): 698-706.

Newby PK, Peterson KE, Berkey CS, Leppert J, Willett WC, Colditz GA. Beverage consumption is not associated with changes in weight and body mass index among low-income preschool children in North Dakota. *J Am Diet Assoc.* 2004; 104: 1, 086-1, 094.

Phillips SM, Bandini LG, Cyr H, Colclough-Douglas S, Naumova E, Must A. Dairy food consumption and body weight and fatness studied longitudinally over the adolescent period. *Int J Obes Relat Metab Disord.* 2003; 27 (9): 1, 106-1, 113.

Skinner JD, Bounds W, Carruth BR, Ziegler P. Longitudinal calcium intake is negatively related to children's body fat indexes. *J Am Diet Assoc.* 2003; 103 (12): 1, 626-1, 631.

Sugimori H, Yoshida K, Izuno T, Miyakawa M, Suka M, Sekine M, Yamagami T, Kagamimori S. Analysis of factors that influence body mass index from ages three to six years: A study based on the Toyama cohort study. *Pediatr Int.* 2004; 46 (3): 302-310.

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#### List of Excluded Articles with Reason

Article (A-K)	Reason for Exclusion
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<p>Abrams SA, Griffin IJ, Hawthorne KM, Liang L. <a href="#">Height and height Z-score are related to calcium absorption in five-to 15-year-old girls</a>. <i>J Clin Endocrinol Metab.</i> 2005 Sep; 90 (9): 5, 077-5, 081. Epub 2005 May 17. PMID: 15899954.</p>	<p>Does not include adiposity as an outcome.</p>
<p>Affenito SG, Thompson DR, Barton BA, Franko DL, Daniels SR, Obarzanek E, Schreiber GB, Striegel-Moore RH. <a href="#">Breakfast consumption by African-American and white adolescent girls correlates positively with calcium and fiber intake and negatively with body mass index</a>. <i>J Am Diet Assoc.</i> 2005 Jun; 105 (6): 938-945. PMID: 15942545</p>	<p>Study did not answer the question; did not examine the relationship between calcium and dairy and adiposity.</p>
<p>Albala C, Ebbeling CB, Cifuentes M, Lera L, Bustos N, Ludwig DS. <a href="#">Effects of replacing the habitual consumption of sugar-sweetened beverages with milk in Chilean children</a>. <i>Am J Clin Nutr.</i> 2008 Sep; 88 (3): 605-611. PMID: 18779274; PMCID: PMC2583441.</p>	<p>Study population not from a developed country.</p>
<p>Anderson JW, Hoie LH. <a href="#">Weight loss and lipid changes with low-energy diets: Comparator study of milk-based versus soy-based liquid meal replacement interventions</a>. <i>J Am Coll Nutr.</i> 2005 Jun; 24 (3): 210-216. PMID: 15930487.</p>	<p>Study subjects are adults.</p>
<p>Arenz S, Von Kries R. <a href="#">Protective effect of breast-feeding against obesity in childhood: Can a meta-analysis of published observational studies help to validate the hypothesis?</a> <i>Adv Exp Med Biol.</i> 2009; 639: 145-152. Review. PMID: 19227541.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Bailey BW, Sullivan DK, Kirk EP, Hall S, Donnelly JE. <a href="#">The influence of calcium consumption on weight and fat following nine months of exercise in men and women</a>. <i>J Am Coll Nutr.</i> 2007 Aug; 26 (4): 350-355. PMID: 17906187.</p>	<p>Study subjects are adults.</p>
<p>Baird J, Poole J, Robinson S, Marriott L, Godfrey K, Cooper C, Inskip H, Law C; Southampton Women's Survey Study Group. <a href="#">Milk feeding and dietary patterns predict weight and fat gains in infancy</a>. <i>Paediatr Perinat Epidemiol.</i> 2008 Nov; 22 (6): 575-586. PMID: 19000296.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Barba G, Troiano E, Russo P, Venezia A, Siani A. <a href="#">Inverse association between body mass and frequency of milk consumption in children</a>. <i>Br J Nutr.</i> 2005 Jan; 93 (1): 15-19. PMID: 15705220.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>

<p>Barton BA, Eldridge AL, Thompson D, Affenito SG, Striegel-Moore RH, Franko DL, Albertson AM, Crockett SJ. <a href="#"><u>The relationship of breakfast and cereal consumption to nutrient intake and body mass index: The National Heart, Lung, and Blood Institute Growth and Health Study.</u></a> <i>J Am Diet Assoc.</i> 2005 Sep; 105 (9): 1, 383-1, 389. PMID: 16129079</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Bogen DL, Hanusa BH, Whitaker RC. <a href="#"><u>The effect of breast-feeding with and without formula use on the risk of obesity at four years of age.</u></a> <i>Obes Res.</i> 2004 Sep; 12 (9): 1, 527-1, 535. Erratum in: <i>Obes Res.</i> 2004 Oct;12(10): A3. PMID: 15483218.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Chan GM, McElligott K, McNaught T, Gill G. <a href="#"><u>Effects of dietary calcium intervention on adolescent mothers and newborns: A randomized controlled trial.</u></a> <i>Obstet Gynecol.</i> 2006 Sep; 108(3 Pt 1): 565-571. PMID: 16946216.</p>	<p>Study subjects are pregnant.</p>
<p>Deheeger M, Bellisle F, Rolland-Cachera MF. <a href="#"><u>The French longitudinal study of growth and nutrition: Data in adolescent males and females.</u></a> <i>J Hum Nutr Diet.</i> 2002 Dec; 15 (6): 429-438. PMID: 12460151.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Dietz WH. <a href="#"><u>Sugar-sweetened beverages, milk intake and obesity in children and adolescents.</u></a> <i>J Pediatr.</i> 2006 Feb; 148 (2): 152-154. PMID: 16492420.</p>	<p>Study is an editorial.</p>
<p>Dodiuk-Gad RP, Rozen GS, Rennert G, Rennert HS, Ish-Shalom S. <a href="#"><u>Sustained effect of short-term calcium supplementation on bone mass in adolescent girls with low calcium intake.</u></a> <i>Am J Clin Nutr.</i> 2005 Jan; 81 (1): 168-174. PMID:15640477.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>dos Santos LC, de Pádua Cintra I, Fisberg M, Martini LA. <a href="#"><u>Calcium intake and its relationship with adiposity and insulin resistance in post-pubertal adolescents.</u></a> <i>J Hum Nutr Diet.</i> 2008 Apr; 21 (2): 109-116. PMID: 18339051.</p>	<p>Study population not from a developed country.</p>
<p>dos Santos LC, Martini LA, Cintra Ide P, Fisberg M. <a href="#"><u>Relationship between calcium intake and body mass index in adolescents.</u></a> <i>Arch Latinoam Nutr.</i> 2005 Dec; 55 (4): 345-349. PMID: 16640197.</p>	<p>Study population not from a developed country.</p>
<p>Forshee RA, Storey ML. <a href="#"><u>Total beverage consumption and beverage choices among children and adolescents.</u></a> <i>Int J Food Sci Nutr.</i> 2003 Jul; 54 (4): 297-307. PMID: 12850891.</p>	<p>Study design is cross-sectional.</p>

<p>García-Lorda P, Salas-Salvadó J, Fernández Ballart J, Murphy MM, Bulló M, Arija V. <a href="#">Dietary calcium and body mass index in a Mediterranean population</a>. <i>Int J Vitam Nutr Res.</i> 2007 Jan; 77 (1): 34-40. PMID: 17685093.</p>	<p>Study subjects are adults.</p>
<p>Gibbons MJ, Gilchrist NL, Frampton C, Maguire P, Reilly PH, March RL, Wall CR. <a href="#">The effects of a high calcium dairy food on bone health in pre-pubertal children in New Zealand</a>. <i>Asia Pac J Clin Nutr.</i> 2004; 13 (4): 341-347. PMID: 15563438.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Henderson NK, Price RI, Cole JH, Gutteridge DH, Bhagat CI. <a href="#">Bone density in young women is associated with body weight and muscle strength but not dietary intakes</a>. <i>J Bone Miner Res.</i> 1995 Mar; 10 (3): 384-393. PMID: 7785459.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Jirapinyo P, Wongarn R, Limsathayourat N, Maneenoy S, Somsa-Ad K, Thinpanom N, Vorasanta P. <a href="#">Adolescent height: Relationship to exercise, milk intake and parents' height</a>. <i>J Med Assoc Thai.</i> 1997 Oct; 80 (10): 642-646. PMID: 10904567.</p>	<p>Study population not from a developed country.</p>
<p>Juzwiak CR, Amancio OM, Vitalle MS, Szejnfeld VL, Pinheiro MM. <a href="#">Effect of calcium intake, tennis playing and body composition on bone-mineral density of Brazilian male adolescents</a>. <i>Int J Sport Nutr Exerc Metab.</i> 2008 Oct; 18 (5): 524-538. PMID: 19033613.</p>	<p>Study population not from a developed country.</p>
<p>Kranz S, Lin PJ, Wagstaff DA. <a href="#">Children's dairy intake in the United States: Too little, too fat?</a> <i>J Pediatr.</i> 2007 Dec; 151 (6): 642-646, 646.e1-2. Epub 2007 Jul 24. PMID: 18035145.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>

Article (L-S)	Reason for Exclusion
<p>Laitinen J, Kiukaanniemi K, Heikkinen J, Koiranen M, Nieminen P, Sovio U, Keinänen-Kiukaanniemi S, Järvelin MR. <a href="#">Body size from birth to adulthood and bone mineral content and density at 31 years of age: Results from the northern Finland 1966 birth cohort study</a>. <i>Osteoporos Int.</i> 2005 Nov;16(11): 1, 417-1, 424. Epub 2005 Mar 22. PMID: 15782283.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>

<p>Lee WT, Leung SS, Leung DM, Tsang HS, Lau J, Cheng JC. <a href="#"><u>A randomized double-blind controlled calcium supplementation trial and bone and height acquisition in children</u></a>. <i>Br J Nutr.</i> 1995 Jul; 74 (1): 125-139. PMID: 7547823.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Lukaszuk JM, Luebbers P, Gordon BA. <a href="#"><u>Preliminary study: Soy milk as effective as skim milk in promoting weight loss</u></a>. <i>J Am Diet Assoc.</i> 2007 Oct; 107 (10): 1, 811-1, 814. PMID: 17904943.</p>	<p>Study subjects are adults.</p>
<p>Mai XM, Becker AB, Sellers EA, Liem JJ, Kozyrskyj AL. <a href="#"><u>Infrequent milk consumption plus being overweight may have great risk for asthma in girls</u></a>. <i>Allergy.</i> 2007 Nov; 62 (11): 1, 295-1, 301. PMID: 17919145.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Mardones F, Urrutia MT, Villarroel L, Rioseco A, Castillo O, Rozowski J, Tapia JL, Bastias G, Bacallao J, Rojas I. <a href="#"><u>Effects of a dairy product fortified with multiple micronutrients and omega-3 fatty acids on birth weight and gestation duration in pregnant Chilean women</u></a>. <i>Public Health Nutr.</i> 2008 Jan;11(1):30-40. Epub 2007 Jun 13. PMID: 17565762.</p>	<p>Study population not from a developed country.</p>
<p>Matkovic V, Goel PK, Badenhop-Stevens NE, Landoll JD, Li B, Ilich JZ, Skugor M, Nagode LA, Mobley SL, Ha EJ, Hangartner TN, Clairmont A. <a href="#"><u>Calcium supplementation and bone mineral density in females from childhood to young adulthood: A randomized controlled trial</u></a>. <i>Am J Clin Nutr.</i> 2005 Jan; 81 (1): 175-188. PMID: 15640478.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Michels KB, Willett WC, Graubard BI, Vaidya RL, Cantwell MM, Sansbury LB, Forman MR. <a href="#"><u>A longitudinal study of infant feeding and obesity throughout life course</u></a>. <i>Int J Obes (Lond).</i> 2007 Jul; 31 (7): 1, 078-1, 085. Epub 2007 Apr 24. PMID: 17452993.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Miralles O, Sánchez J, Palou A, Picó C. <a href="#"><u>A physiological role of breast milk leptin in body weight control in developing infants</u></a>. <i>Obesity (Silver Spring)</i>. 2006 Aug; 14 (8): 1, 371-1, 377. PMID: 16988079.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>

<p>Moore LL, Singer MR, Qureshi MM, Bradlee ML. <a href="#">Dairy intake and anthropometric measures of body fat among children and adolescents in NHANES</a>. <i>J Am Coll Nutr.</i> 2008 Dec; 27 (6): 702-710. PMID: 19155429</p>	<p>Study design is cross-sectional.</p>
<p>Moreira P, Padez C, Mourão I, Rosado V. <a href="#">Dietary calcium and body mass index in Portuguese children</a>. <i>Eur J Clin Nutr.</i> 2005 Jul; 59 (7): 861-867. PMID: 15915159</p>	<p>Study design is cross-sectional.</p>
<p>Murphy MM, Douglass JS, Johnson RK, Spence LA. <a href="#">Drinking flavored or plain milk is positively associated with nutrient intake and is not associated with adverse effects on weight status in US children and adolescents</a>. <i>J Am Diet Assoc.</i> 2008 Apr; 108 (4): 631-639. PMID: 18375219</p>	<p>Study design is cross-sectional.</p>
<p>Nicklas TA. <a href="#">Calcium intake trends and health consequences from childhood through adulthood</a>. <i>J Am Coll Nutr.</i> 2003 Oct; 22 (5): 340-356. Review. PMID: 14559926</p>	<p>Study is a narrative review.</p>
<p>Novotny R, Daida YG, Acharya S, Grove JS, Vogt TM. <a href="#">Dairy intake is associated with lower body fat and soda intake with greater weight in adolescent girls</a>. <i>J Nutr.</i> 2004 Aug; 134 (8): 1, 905-1, 909. PMID: 15284374</p>	<p>Study design is cross-sectional.</p>
<p>Oddy WH, Sherriff JL, de Klerk NH, Kendall GE, Sly PD, Beilin LJ, Blake KB, Landau LI, Stanley FJ. <a href="#">The relation of breastfeeding and body mass index to asthma and atopy in children: A prospective cohort study to age six years</a>. <i>Am J Public Health.</i> 2004 Sep; 94 (9): 1, 531-1, 537. PMID: 15333310; PMCID: PMC1448489.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Okada T. <a href="#">Effect of cow milk consumption on longitudinal height gain in children</a>. <i>Am J Clin Nutr.</i> 2004 Oct; 80 (4): 1, 088-1, 089; author reply 1089-90. PMID: 15447933.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Olsen SF, Halldorsson TI, Willett WC, Knudsen VK, Gillman MW, Mikkelsen TB, Olsen J; NUTRIX Consortium. <a href="#">Milk consumption during pregnancy is associated with increased infant size at birth: Prospective cohort study</a>. <i>Am J Clin Nutr.</i> 2007 Oct; 86 (4): 1, 104-1, 110. PMID: 17921389.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Palacios C, Benedetti P, Fonseca S. <a href="#">Impact of calcium intake on body mass index in Venezuelan adolescents</a>. <i>P R Health Sci J.</i> 2007 Sep; 26 (3): 199-204. PMID: 18035811.</p>	<p>Study population not from a developed country.</p>

<p>Prentice A, Ginty F, Stear SJ, Jones SC, Laskey MA, Cole TJ. <a href="#">Calcium supplementation increases stature and bone mineral mass of 16- to 18-year-old boys</a>. <i>J Clin Endocrinol Metab.</i> 2005 Jun; 90 (6): 3, 153-3, 161. Epub 2005 Mar 8. PMID: 15755856.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Rockell JE, Williams SM, Taylor RW, Grant AM, Jones IE, Goulding A. <a href="#">Two-year changes in bone and body composition in young children with a history of prolonged milk avoidance</a>. <i>Osteoporos Int.</i> 2005 Sep; 16 (9): 1, 016-1, 023. Epub 2004 Nov 23. PMID: 15565350</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Rodríguez-Artalejo F, García EL, Gorgojo L, Garcés C, Royo MA, Martín Moreno JM, Benavente M, Macías A, De Oya M; Investigators of the Four Provinces Study. <a href="#">Consumption of bakery products, sweetened soft drinks and yogurt among children aged six to seven years: Association with nutrient intake and overall diet quality</a>. <i>Br J Nutr.</i> 2003 Mar; 89 (3): 419-429. PMID: 12628036</p>	<p>Study design is cross-sectional.</p>
<p>Rose D, Bodor JN, Chilton M. <a href="#">Has the WIC incentive to formula-feed led to an increase in overweight children?</a> <i>J Nutr.</i> 2006 Apr; 136 (4): 1, 086-1, 090. PMID: 16549484.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Stettler N, Stallings VA, Troxel AB, Zhao J, Schinnar R, Nelson SE, Ziegler EE, Strom BL. <a href="#">Weight gain in the first week of life and overweight in adulthood: A cohort study of European American subjects fed infant formula</a>. <i>Circulation.</i> 2005 Apr 19; 111 (15): 1, 897-1, 903. PMID: 15837942.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>

Article (T-Z)	Reason for Exclusion
<p>Teegarden D. <a href="#">Calcium intake and reduction in weight or fat mass</a>. <i>J Nutr.</i> 2003 Jan; 133 (1): 249S-251S. Review. PMID: 12514302</p>	<p>Study subjects are animals or adults.</p>
<p>Teegarden D, Lyle RM, Proulx WR, Johnston CC, Weaver CM. <a href="#">Previous milk consumption is associated with greater bone density in young women</a>. <i>Am J Clin Nutr.</i> 1999 May; 69 (5): 1, 014-1, 017. PMID: 10232644.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>

<p>Vatanparast H, Baxter-Jones A, Faulkner RA, Bailey DA, Whiting SJ. <a href="#">Positive effects of vegetable and fruit consumption and calcium intake on bone mineral accrual in boys during growth from childhood to adolescence: The University of Saskatchewan Pediatric Bone Mineral Accrual Study</a>. <i>Am J Clin Nutr.</i> 2005 Sep; 82 (3): 700-706. PMID: 16155286.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Venti CA, Tataranni PA, Salbe AD. <a href="#">Lack of relationship between calcium intake and body size in an obesity-prone population</a>. <i>J Am Diet Assoc.</i> 2005 Sep; 105 (9): 1, 401-1, 407. PMID: 16129081</p>	<p>Study design is cross-sectional.</p>
<p>von Kries R, Koletzko B, Sauerwald T, von Mutius E. <a href="#">Does breast-feeding protect against childhood obesity?</a> <i>Adv Exp Med Biol.</i> 2000; 478: 29-39. PMID: 11065058.</p>	<p>Study design is cross-sectional.</p>
<p>Weyermann M, Brenner H, Rothenbacher D. <a href="#">Adipokines in human milk and risk of overweight in early childhood: A prospective cohort study</a>. <i>Epidemiology.</i> 2007 Nov; 18 (6): 722-729. PMID: 18062063.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Wiley AS. <a href="#">Consumption of milk, but not other dairy products, is associated with height among US preschool children in NHANES 1999-2002</a>. <i>Ann Hum Biol.</i> 2009 Mar-Apr; 36 (2): 125-138. PMID: 19241191.</p>	<p>Study did not answer the question; did not examine the relationship between calcium and or dairy and adiposity.</p>
<p>Wiley AS. <a href="#">Does milk make children grow? Relationships between milk consumption and height in NHANES 1999-2002</a>. <i>Am J Hum Biol.</i> 2005 Jul-Aug; 17 (4): 425-441. PMID: 15981182.</p>	<p>Study did not answer the question; did not examine the relationship between calcium or dairy and adiposity.</p>
<p>Zhu K, Du X, Greenfield H, Zhang Q, Ma G, Hu X, Fraser DR. <a href="#">Bone mass in Chinese premenarcheal girls: The roles of body composition, calcium intake and physical activity</a>. <i>Br J Nutr.</i> 2004 Dec; 92 (6): 985-993. PMID: 15613261.</p>	<p>Study population not from a developed country.</p>